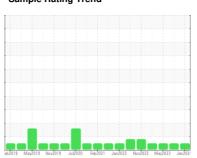


## **OIL ANALYSIS REPORT**

### **Sample Rating Trend**



NORMAL



# RIETSCHLE 17 (S/N 2306938)

Component

Pump Fluid

**USPI VAC 100 (--- GAL)** 

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

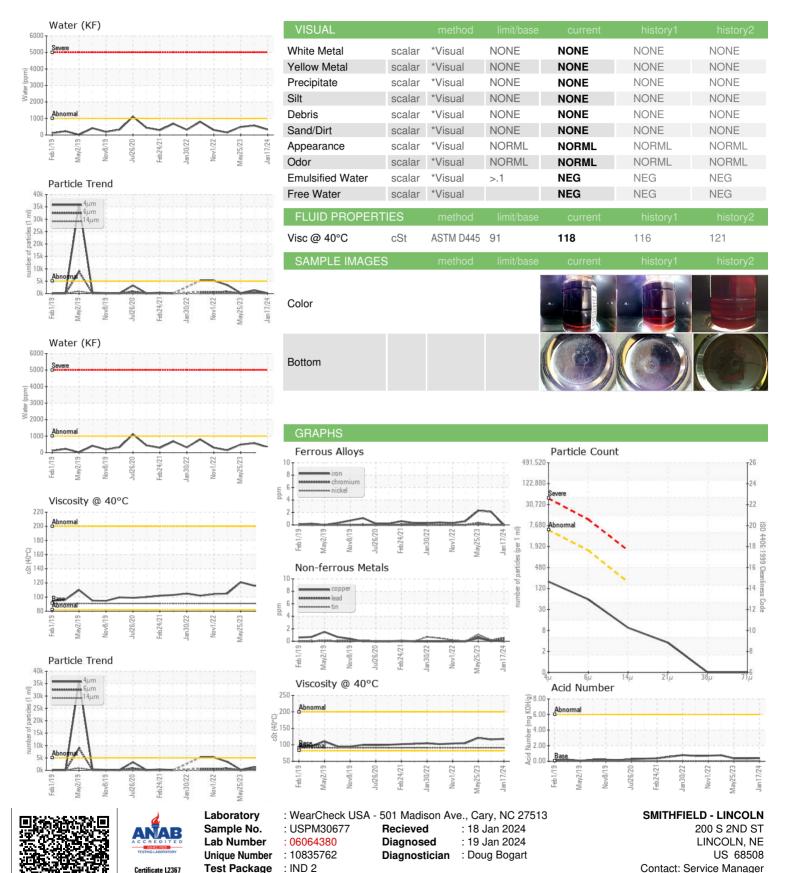
#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

		eb2019 May2	019 Nov2019 Jul2020	Feb2021 Jan2022 Nov2022 May	/2023 Jan 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		USPM30677	USPM29837	USPM28308
Sample Date		Client Info		17 Jan 2024	02 Oct 2023	25 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	0	2	2
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	0	0	<1
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>7	2	2	4
Lead	ppm	ASTM D5185m	>12	<1	0	<1
Copper	ppm	ASTM D5185m	>30	0	<1	<1
Tin	ppm	ASTM D5185m	>9	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	4
Calcium	ppm	ASTM D5185m	0	3	4	2
Phosphorus	ppm	ASTM D5185m	1800	1093	995	1073
Zinc	ppm	ASTM D5185m	0	0	8	10
Sulfur	ppm	ASTM D5185m	0	0	39	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	6	6	8
Sodium	ppm	ASTM D5185m		2	3	3
Potassium	ppm	ASTM D5185m	>20	3	2	1
Water	%	ASTM D6304	>.1	0.032	0.056	0.049
ppm Water	ppm	ASTM D6304	>1000	328	566.8	493.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	167	1402	218
Particles >6µm		ASTM D7647	>1300	52	394	53
Particles >14µm		ASTM D7647	>160	8	77	6
Particles >21µm		ASTM D7647	>40	3	35	3
Particles >38µm		ASTM D7647	>10	0	3	1
Particles >71µm		ASTM D7647	>3	0	0	1
Oil Cleanliness		ISO 4406 (c)	>19/17/14	15/13/10	18/16/13	15/13/10
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.05	0.41	0.37	0.37



## **OIL ANALYSIS REPORT**



To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T: F: